

In the claims:

1. (Currently Amended) A method of voice and GPS satellite constellation positional location data radio communication over a cellular phone network having a cellular network radio voice-communication path and a cellular network different data communications radio control channel path normally used to set up phone calls, break down phone calls and switch cell sites, each separately communicating along their respective different paths with a network operations control center, that comprises, user initial voice-calling of the control center from a portable cellular telephone location and over the cellular network radio voice-communication path requesting user-location information services of the control center; upon user verification, sending a radio wake-up signal from the control center over the ~~different data~~ cellular network data-communication radio control channel path to be received at said location; providing a radio transponder and a GPS receiver adapted to receive GPS satellite constellation location data transmission frequency and a microprocessor module at said user location; activating the GPS receiver in response to receipt of said wake-up radio signal sent from the cellular network control center over ~~the~~ its data-communication radio control channel path, to receive and microprocessor-process the location data received by the GPS receiver from the GPS satellite constellation at the user location and thereupon to activate the transponder at said user location to transmit the microprocessor- processed received location data over the cellular network data-communication radio control channel path back to said control center; associating at the control center, the transmitted user-location data received over the cellular network data-communication radio control channel path by the control center with the initial user voice call request received along the cellular network radio voice-communication path at the control center; and sending the requested user-location services information from the control center to the user.
2. (Original) The method of claim 1 where said user location is in a vehicle, and the said module is provided in the vehicle.
3. (Original) The method of claim 1 wherein said user is a pedestrian or is located at another personal user location at which the user is provided with a personal cellular phone and said module.

4. (Currently amended) The method of claim 1 wherein said associating of location data received over the cellular network control channel path with the voice call received over the cellular network voice-communication path is effected by PIN information at the control center.
5. (Currently amended) The method of claim 2 wherein the vehicle is further provided with movement/tampering alarm sensing; and, in response to such sensing, and apart from the presence or absence of the user at the vehicle, activating the vehicle GPS-transponder module to receive and process GPS location data for the vehicle and to transmit the data with vehicle user identification as an alarm over the cellular network control channel path back to said control center; associating the transmitted location alarm received at the cellular network control center with a phone pre-designated by the vehicle user; and calling the alarm from the control center to that phone.
6. (Currently amended) A method of radio communication over a cellular phone network between a vehicle location and an operations control center of a cellular phone network having a cellular network data-communication radio control channel path normally used to set up phone calls, break down phone calls and switch cell sites, that comprises, sensing unauthorized movement/tampering at the vehicle; providing a GPS receiver-radio transponder module at said vehicle location; in response to such sensing at the vehicle location, and apart from the presence or absence of a user at the vehicle, activating the GPS-receiver transponder module to receive and process GPS location data for the vehicle, and transmitting said data with a vehicle user identification as an alarm over the cellular network data-communication radio control channel path to said control center; associating at the control center, the transmitted location alarm data received at the control center with a phone pre-designated by the vehicle user; and calling the alarm from the control center to that phone.
7. (Currently amended) A system for voice and positional location data radio communication over a cellular phone network having a cellular network radio voice-communication path and a cellular network different data-communication radio control channel path normally used to set up phone calls, break down phone calls and switch cell sites, separately communicating along their respective different paths with a network operations control center, the system having, in combination, a portable cellular telephone

for initial user voice-calling to the control center over the cellular network radio voice-communication path for requesting user -location information services of the control center; means operable upon user identification, for sending a radio wake-up signal from the control center over the ~~different~~ cellular network data-communication radio control channel path to be received at the user location; a radio-transponder and a GPS receiver adapted to receive GPS satellite constellation location data transmission frequency and a microprocessor module disposed at said user location; means for activating the GPS receiver of the module in response to receipt of said radio wake-up signal sent from the cellular network control center over ~~the~~ its data-communication radio control channel path, to receive and to microprocessor-process the location data received by the GPS receiver from the GPS satellite constellation at the vehicle and thereupon to activate the transponder at the vehicle to transmit the microprocessor-processed location data over the cellular network data-communication radio control channel path back to said control center; and means for sending location services information from the control center to the user upon associating at the control center the transmitted user-location data received over the cellular network data-communication radio control channel path by the control center with the initial user voice call request received along the cellular network radio voice-communication path by the control center.

8. (Original) The system of claim 7 wherein said user location is in a vehicle, and the said module is provided in the vehicle.
9. (Original) The system of claim 7 wherein said user is a pedestrian or is located at another personal user location at which the user is provided with a personal cellular phone and said module.
10. (Currently amended) The system of claim 7 wherein said associating of location data received over the cellular network data-communication radio control channel path with the voice call received over the cellular network radio voice-communication path is effected by PIN information means at the control center.
11. (Currently amended) The system of claim 8 wherein the vehicle is further provided with movement/tampering alarm sensing means; and means operable in response to such sensing, and apart from the presence or absence of the user at the vehicle, for activating the vehicle GPS-transponder module to receive and process GPS location data for the

vehicle and to transmit the data with vehicle user identification as an alarm along the cellular network data-communication radio control channel path to said control center; and means for associating the transmitted location alarm received at the control center with ~~the~~ a phone pre-designated by the vehicle user; and means for calling the alarm from the control center to that phone.

12. (Currently amended) A system for radio-communication over a cellular phone network between a vehicle location and an operations control center of a cellular phone network having a cellular network data-communication radio control channel path normally used to set up phone calls, break down phone calls and switch cell sites, that comprises, means for sensing unauthorized movement/tampering at the vehicle location; a GPS receiver-radio transponder module disposed at said vehicle location; means operable in response to such sensing, and apart from the presence or absence of a user at the vehicle location, for activating the GPS-receiver-radio transponder module to receive and microprocessor-process GPS location data for the vehicle, and for transmitting said data with vehicle user identification as an alarm over the cellular network data-communication radio control channel path back to said control center; means at the control center for associating the transmitted location alarm data received over the cellular network data-communication radio control channel path at the control center with a phone pre-designated by the vehicle user; and means for calling the alarm from the control center to that phone.
13. (Original) The system as claimed in claim 12 wherein a phone so pre-designated at the control center is carried by or in communication with a further vehicle provided with means for tracking periodic radio reply transmissions from a further transponder provided in said further vehicle and automatically activated by command activation signals broadcast on the same carrier frequency as the reply transponder signals.
14. (Currently amended) A method of voice and GPS satellite constellation positional location data radio communication over a cellular phone network having a cellular network radio voice-communication channel path communicating with a network operations control center and a cellular network different separate data-communication radio control channel path normally used to set up phone calls, break down phone calls and switch cell sites, each separately communicating with said network operations control center, the method comprising, user initial voice-calling of the control center from a

portable cellular telephone location and over the cellular network radio voice-
communication path, requesting user-location and other information services of the
control center; upon user verification, sending a radio wake-up signal from the control
center over the ~~different~~ cellular network data-communication radio control channel path
to be received at said location; providing a radio transponder and a GPS receiver adapted
to receive GPS satellite constellation location data transmission frequency and a
microprocessor module at said location; activating the GPS receiver in response to receipt
of said radio wake-up signal sent from the cellular network control center over ~~the~~ its
data-communication radio control channel path, to receive and microprocessor-process
location data received by the GPS receiver from the GPS satellite constellation at the user
location and thereupon to activate the transponder at said user location to transmit the
microprocessor-processed location data over the cellular network data-communication
radio control channel path back to said control center; associating at the control center,
the transmitted user- location data received over the cellular network data-communication
radio control channel path by the control center, with the initial user voice call request
received along the cellular network radio voice-communication path at the control
center; and sending the requested location service information from the control center to
the user.

15. (Currently Amended) The method of claim 14 wherein said location services
information is sent from the control center over the cellular network radio voice-
communication channel path to the user.

16. (Currently amended) The method of claim 15 wherein said cellular network data-
communication radio channel path uses ~~the~~ a designated control channel path of the
cellular voice phone network.

17. (Currently amended) A system for voice and GPS satellite constellational positional
location data radio communication over a cellular phone network having a cellular
network radio voice-communication channel path communicating with a network
operations control center, the system having also a cellular network different separate
data-communication radio control channel path normally used to set up phone calls, break
down phone calls and switch cell sites, each separately communicating with the network
operations control center, said system having, in combination, a portable cellular

telephone for initial user voice-calling of the control center over the cellular network radio voice-communication path, for requesting user location and other information services; means at the control center and operable upon user identification, for sending a radio wake-up signal from the control center over the ~~different~~ cellular network data-communication radio control channel path to be received at the user location; a radio-transponder, GPS receiver and microprocessor module disposed at said user location; means for activating the GPS receiver of the module in response to receipt of said radio wake-up signal sent from the control center over the cellular network data-communication radio control channel path, to receive and microprocessor-process location data received by the GPS receiver from the GPS satellite constellation and to activate the transponder at said user location to transmit the processed location data over the cellular network data-communication radio control channel path back to said control center; and means for sending location services information from the control center to the user upon associating the transmitted location data received over the cellular network data-communication radio control channel path by the control center with the initial user voice call request received along the cellular network radio voice-communication path by the control center.

18. (Currently amended) The system of claim 17 wherein said location services information is sent from the control center over the cellular network radio voice-communication channel path to the user.